What's New, of Release 3
== *Draft/Draft/Draft/Draft* ==

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X.0 What's New, of Release 3

Key output of Release 3 are listed, to its users, participants and founders, from the view points of Functionality Extension, Quality Improved, and Upward Compatibility.

It's a time is coming for Standards for the Exchange/Sharing the Product Model Data throughout the Hierarchical Supply Chain, within a company/consortia, and throughout the Life cycle of a Product.

X.1 Functionality Extended (Priority is TBD: To Be Determined)

(1) Parametrics Capability

(2) Cross Industry Common APs, for data exchange/sharing through Hierarchical Supply Chain
Product Identification for Configuration Item Control
PDM Schema ???

(3) Coherent set of Advanced Product Model Data and their Intelligent Views
(3-1) Consistent set of Advanced Product Model Data for Mechanical Products,
Design through Manufacturing / Assembly and Inspection
consistent with ISO 14649 of SC1/WG7
(3-2) Consistent set of Advanced Product Model Data for Large Scale Assembly Products,
Schematic Modeling
Spatial Arrangement Modeling
Piping Layout and Fabrication Modeling
HVAC Modeling
(3-3) Intelligent Viewing Mechanism, showing the Advanced Product Model Data onto human readable form
Intelligent Views of Mechanical Products
Intelligent Schematics
Intelligent Arrangements for Large Scale Assembly Products
Intelligent Piping Layout and Fabrication
Intelligent HVAC Layout

(4) EACM

(5) PLIB #2, using Parametrics

(6) MANDATE

(7)

(8)

X.2 Quality Improved

(1) Consistent set of APs, re-organized in accordance with SC4 Framework
(2) Enriched Integrated Resources, to support coherent set of Advanced Product Model Data and their Intelligent Viewing Mechanism ,and missing links in Integrated Resources are recovered
(3) Modular Approach, "low level Conformity APs" are recovered
(4)

X.3 Upward Compatibility Assured
(1) Improved Schema Definition, using Modular Approach
(2) Assured Schema Migration Path from previous release to Release 3

Remark-1: Section X is expected to be Section 2

Remark-2: "Intelligent Viewing" instead of "Generative Draughting"